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DATE MAILED: 04/04/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/540,288	03/31/2000	Xingwei Wu	36-00	9851	
23713	7590 04/04/2003				
GREENLEE WINNER AND SULLIVAN P C 5370 MANHATTAN CIRCLE SUITE 201			EXAMINER		
			SANTIAGO, MARICELI		
BOULDER, C) 80303		ART UNIT	PAPER NUMBER	
			2879		

Please find below and/or attached an Office communication concerning this application or proceeding.

				<i>p</i> ~		
,		Application No.	pplicant(s)			
		09/540,288	WU ET AL.			
Office Action	on Summary	Examiner	Art Unit			
		Mariceli Santiago	2879			
The MAILING DA Period for Reply	TE f this communication app	pears on the cover sheet w	ith the correspondence add	lress		
THE MAILING DATE O - Extensions of time may be ava after SIX (6) MONTHS from the - If the period for reply specified - If NO period for reply is specifie - Failure to reply within the set o	JTORY PERIOD FOR REPL' F THIS COMMUNICATION. illable under the provisions of 37 CFR 1.1 e mailing date of this communication. above is less than thirty (30) days, a repled above, the maximum statutory period or extended period for reply will, by statute e later than three months after the mailing. See 37 CFR 1.704(b).	36(a). In no event, however, may a symmetry within the statutory minimum of thin will apply and will expire SIX (6) MON, cause the application to become Al	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this cor BANDONED (35 U.S.C. § 133).			
	ommunication(s) filed on <u>21 </u>	January 2002				
2a) ☐ This action is Fil	· · · · · <u>~</u>	is action is non-final.				
	ation is in condition for allowa		ttore proposition as to the	o morito in		
• • • • • • • • • • • • • • • • • • • •	ance with the practice under			: ments is		
4)⊠ Claim(s) <i>243-611</i>	is/are pending in the application	ation.				
	claim(s) is/are withdra					
5)						
6)☐ Claim(s) is						
7) Claim(s) is						
8)⊠ Claim(s) <u>243-611</u>	are subject to restriction and	or election requirement.				
Application Papers	•					
9) The specification is	s objected to by the Examine	r.				
10)☐ The drawing(s) file	ed on is/are: a)□ acce _l	oted or b) objected to by t	he Examiner.			
Applicant may not	t request that any objection to the	e drawing(s) be held in abey	ance. See 37 CFR 1.85(a).			
11) The proposed draw	wing correction filed on	_ is: a)□ approved b)□ c	lisapproved by the Examine	r.		
	cted drawings are required in rep	•				
12) The oath or declar	ation is objected to by the Ex	aminer.				
Priority under 35 U.S.C. §	§ 119 and 120					
13) Acknowledgment	is made of a claim for foreigr	priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
a)∏ All b)∏ Some	e * c)☐ None of:					
1. ☐ Certified co	pies of the priority document	s have been received.				
2. Certified co	2. Certified copies of the priority documents have been received in Application No					
applicat	ne certified copies of the prior tion from the International Bu etailed Office action for a list	reau (PCT Rule 17.2(a)).		Stage		
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation	n of the foreign language pro s made of a claim for domesti	visional application has b	een received.	·		
Attachment(s)	The second secon	2 priority aridor 00 0.0.0.	33 120 GHG/01 121.			
1) Notice of References Cited 2) Notice of Draftsperson's Par 3) Information Disclosure State		5) Notice of	Summary (PTO-413) Paper No(s Informal Patent Application (PTO			
 						

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 243-378, and 603-605, drawn to a patterned phosphor structure and an EL laminate, classified in class 313, subclass 506.
- II. Claims 379-442 and 586-602, drawn to method of forming a patterned phosphor, classified in class 427, subclass 66.
- III. Claims 443-486 and 606-607, drawn to a method of forming a thick film dielectric layer, classified in class 427, subclass 66.
- IV. Claims 487-571 and 608-611, drawn to a combined substrate and dielectric layer component and an EL laminate, classified in class 313, subclass 509.
- V. Claims 572-585, drawn to a method of synthesizing strontium sulfide, classified in class 252, subclass 301.4 S.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the product as claimed can be made by another and materially different process such as depositing on a substrate a single layer of a host phosphor material with the properties to host varying quantities of different impurities, and introducing one or more of the different impurities into selected areas of the single layer of the host phosphor material as by thermal diffusion or ion-implantation to form a pattern of phosphors emitting in different ranges of the visible spectrum.

Inventions III and IV are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as

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claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process such as vapor deposition of a thick insulating layer and patterning the insulation layer to a desired thickness.

Inventions I or II, and III or IV are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination stated in Inventions I or II does not set forth the details of the subcombination, accordingly, Inventions I or II does not rely on the details of the subcombination disclosed in Inventions II or IV for patentability. Additionally, the subcombination has separate utility such as for use in electronic devices, such as in semiconductors devices or plasma display devices, and not are particular to EL devices.

Inventions V and I-IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the method of synthesizing strontium sulfide is considered to pertain to an invention having a different mode of operation, different function and different effects, in relation to the inventions stated in Groups I-IV.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mariceli Santiago whose telephone number is (703) 305-1083. The examiner can normally be reached on Monday-Friday from 7:00 AM to 3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (703) 305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7382. Additionally, the following fax phone numbers can be used during the prosecution of this application (703) 872-9318 (for response before a Final Action) and (703) 872-9319 (for response after a Final Action).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Mhy 3/24/03 Mariceli Santiago Patent Examiner Art Unit 2879

NIMESHKUMAR D. PATEL SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800